

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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In re Reissue Patent Application of :
Hsu :
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U.S. Patent No. 5,987,760 :
 :
Patent Granted: November 23, 1999 :
 :
Title: CIRCLE DRAWING TOOL :
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PRELIMINARY AMENDMENT

Hon. Commissioner of Patents
and Trademarks
Washington, D.C. 20231

SIR:

Prior to the examination of the above identified reissue-application, please enter
the following amendments and remarks.

In the Claims:

Please add the following new claims:

-- 4. (New) A circle drawing tool for use with a writing instrument to draw
circles on a material, said circle drawing tool comprising:
a doughnut-shaped outer board having a central hole; and

an inner circular board rotatably attached within said central hole of said doughnut-shaped outer board, said inner circular board having at least one insertion hole disposed thereon to engage said writing instrument, so that when said drawing tool is placed on said material and said writing instrument is engaged with said at least one insertion hole, and said inner circular board is rotated relative to said doughnut-shaped outer board, a circle is drawn on said material.

5. (New) The circle drawing tool as claimed in claim 4, wherein said central hole of said outer ring board has a peripheral flange with a groove for housing a circular slide track.

6. (New) The circle drawing tool as claimed in claim 5, wherein a recessed track is disposed on a peripheral wall of said inner circular board for housing rolling balls so that said rolling balls are able to be smoothly engaged with said slide track.

7. (New) The circle drawing tool as claimed in claim 4, wherein a plurality of holes are disposed on a peripheral area of said outer board.

8. (New) The circle drawing tool as claimed in claim 4, wherein a plurality of pen insertion holes form a plurality of radial lines on said outer board, said insertion holes separated by a distance that is a multiple of the number of said radial lines and a position of each starting point of each of said plurality of radial lines consecutively farther from the center of said outer board.

9. (New) The circle drawing tool as claimed in claim 4, wherein a plurality of insertion holes form a plurality of radial lines on said inner circular board, said insertion holes separated by a distance that is a multiple of the number of said radial lines and a position of each starting point of each of said plurality of radial lines consecutively farther from the center of said inner circular board.

10. (New) The circle drawing tool as claimed in claim 4, wherein a plurality of insertion holes are disposed on said inner and outer boards at varying distances from the center of said inner circular board so that when said writing instrument is engaged with one of said insertion holes, and said inner circular board is rotated relative to said doughnut-shaped outer board, a circle is drawn on said material with a different radius than would be drawn with any other of said insertion holes.

11. (New) The circle drawing tool as claimed in claim 4, wherein said at least one insertion hole is marked with the radius of the circle that is produced on said material when said writing instrument is engaged with said insertion hole to draw a circle.

12. (New) The circle drawing tool as claimed in claim 4, further comprising an extension arm attached to said outer board, said extension arm having at least one insertion hole.

13. (New) The circle drawing tool as claimed in claim 4, wherein the inner circular board is provided with a protruded portion serving as a magnifying means.

14. (New) The circle drawing as claimed in claim 4, wherein said at least one insertion hole is provided with a widened recess for preventing ink from staining said material when drawing circles. --

I. Introduction

Original U.S. Patent No. 5,987,760 has claims 1-3.

This reissue application hereby adds new claims 4-14.

Broadened claims 4-14 have been added because the original patent upon which this reissue application is based is partly inoperative or invalid by reason of patentee claiming less than patentee had the right to claim.

No new matter has been added.

Thus, claims 1-14 are pending in this reissue application and are hereby presented for consideration by the Examiner.

II. Statement in Support of Amendments

In accordance with 37 CFR 1.121(b)(2)(iii), Applicant hereby submits the following explanation in support in the disclosure of the patent for the above-referenced new claims. No amendments have been made to the original claims 1-3.

New independent claim 4 relates to a circle drawing tool for use with a writing instrument to draw circles on a material. The circle drawing tool has doughnut-shaped outer board with a central hole. Also included is an inner circular board that is rotatably attached to the central hole of the doughnut-shaped outer board. The inner circular board has at least one

insertion hole to engage the writing instrument. In turn, when the drawing tool is placed on the material and the writing instrument is engaged with an insertion hole, and the inner circular board is rotated relative to said doughnut-shaped outer board, a circle is drawn on said material. All of the features of this claim are supported by the original disclosure of U.S. Patent Number 5,987,760. See for instance, cols. 2 and 3 and Figures 1, 3 and 5.

New claims 5-14, which depend from independent claim 4, are also supported by the disclosure of the original patent.

Claim 5 adds the limitation of a groove for housing a circular slide track in a peripheral flange of the central hole of the outer ring board. This limitation is supported by the original disclosure of U.S. Patent Number 5,987,760, which states, for instance, that “On the inner flange of the outer ring board is disposed a bead retaining groove having a semi-circular cross section” (Col 2, lines 14-16).

Claim 6 adds a limitation to claim 5 for a recessed track is disposed on a peripheral wall of the inner circular board. This track along with the slide track described in claim 5 are for housing rolling balls. The rolling balls allow for the smooth rotation of the inner board. This limitation is supported by the original disclosure of U.S. Patent Number 5,987,760 which states, for instance, “[o]n the peripheral wall of the inner circular board 20 is disposed a recessed track 21” (Col. 2, lines 38-39). This claim is also supported by the original claim language of claim 1 and Figure 1 of the original patent.

Claim 7 adds the limitation of having a plurality of holes disposed on a peripheral area of said outer board.. This limitation is supported by the original disclosure of U.S. Patent Number 5,987,760 which states for instance, that “[t]here are a plurality of round holes 13...disposed on the peripheral extension of the doughnut-shaped outer board” (Col.2, lines 13-15). This claim is also supported by the original claim language of claim 1 and Figure 1 of the original patent.

Claim 8 adds the limitation of a plurality of pen insertion holes which form a plurality of radial lines on said outer board. The insertion holes are separated by a distance that is a multiple of the number of radial lines and the position of each starting point of each radial line is consecutively farther from the center of said outer board. This limitation is supported by the original disclosure of U.S. Patent Number 5,987,760 by the same language used to support claim 1 (Col. 2, Lines 17-37).

Similar to claim 8, claim 9 adds the limitation of holes forming radial lines on the inner circular board in the way they were formed on the outer board. This limitation is supported by the original disclosure of U.S. Patent Number 5,987,760 by the same language used to support claim 1 (Col. 2, lines 48-60).

Claim 10 adds the limitation of disposing a plurality of insertion holes on the inner and outer boards at varying distances from the center of the inner circular board. The holes are positioned so that when a writing instrument is engaged with one of said insertion holes, and said inner circular board is rotated relative to said doughnut-shaped outer board, a circle is

drawn on said material with a different radius than would be drawn with any other of said insertion holes. This limitation is supported by the original disclosure of U.S. Patent Number 5,987,760 which states, for example, that holes are positioned so that "circles of various diameters can be drawn selectively" (Col. 3, lines 1-7).

Claim 11 adds the limitation insertion holes are marked with the radius of the circle that is produced on said material when said writing instrument is engaged with said insertion hole to draw a circle. This limitation is supported by the original disclosure of U.S. Patent Number 5,987,760 namely Figure 3.

Claim 12 adds the limitation of an extension arm that attached to said outer board. The extension arm has at least one insertion hole. This limitation is supported by the original disclosure of U.S. Patent Number 5,987,760, as discussed in lines 8-21 of column 3 and in claim 2 along with Figure 3.

Claim 13 adds the limitation of a protruded portion that serves as a magnifying means. Claim 14 adds the limitation of the insertion holes having a widened recess for preventing ink from staining said material when drawing circles. These limitations are supported by claim 3 of U.S. Patent Number 5,987,760.

In view of the aforementioned preliminary amendments and remarks, it is respectfully submitted that all claims currently pending in the above identified reissue application are now in condition for allowance, the earliest possible notice of which is earnestly

solicited. If in the Examiner's opinion the prosecution of the present reissue application would be advanced by a telephone interview, he is invited to contact the undersigned at the telephone number listed below.

Respectfully submitted,

SOFER & HAROUN

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Dated:

11/19/01

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**REPLACEMENT PAGES
PRELIMINARY AMENDMENT**

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SIR:

Prior to the examination of the above identified reissue-application, please enter
the following replacement pages in accordance with the preliminary amendment filed herewith.

Replacement pages

4. A circle drawing tool for use with a writing instrument to draw circles on a material, said circle drawing tool comprising:

a doughnut-shaped outer board having a central hole; and

an inner circular board rotatably attached within said central hole of said doughnut-shaped outer board, said inner circular board having at least one insertion hole disposed thereon to engage said writing instrument, so that when said drawing tool is placed on said material and said writing instrument is engaged with said at least one insertion hole, and said inner circular board is rotated relative to said doughnut-shaped outer board, a circle is drawn on said material.

5. The circle drawing tool as claimed in claim 4, wherein said central hole of said outer ring board has a peripheral flange with a groove for housing a circular slide track.

6. The circle drawing tool as claimed in claim 5, wherein a recessed track is disposed on a peripheral wall of said inner circular board for housing rolling balls so that said rolling balls are able to be smoothly engaged with said slide track.

7. The circle drawing tool as claimed in claim 4, wherein a plurality of holes are disposed on a peripheral area of said outer board.

8. The circle drawing tool as claimed in claim 4, wherein a plurality of pen insertion holes form a plurality of radial lines on said outer board, said insertion holes separated

Replacement pages

by a distance that is a multiple of the number of said radial lines and a position of each starting point of each of said plurality of radial lines consecutively farther from the center of said outer board.

9. The circle drawing tool as claimed in claim 4, wherein a plurality of insertion holes form a plurality of radial lines on said inner circular board, said insertion holes separated by a distance that is a multiple of the number of said radial lines and a position of each starting point of each of said plurality of radial lines consecutively farther from the center of said inner circular board.

10. The circle drawing tool as claimed in claim 4, wherein a plurality of insertion holes are disposed on said inner and outer boards at varying distances from the center of said inner circular board so that when said writing instrument is engaged with one of said insertion holes, and said inner circular board is rotated relative to said doughnut-shaped outer board, a circle is drawn on said material with a different radius than would be drawn with any other of said insertion holes.

11. The circle drawing tool as claimed in claim 4, wherein said at least one insertion hole is marked with the radius of the circle that is produced on said material when said writing instrument is engaged with said insertion hole to draw a circle.

12. The circle drawing tool as claimed in claim 4, further comprising an

Replacement pages

extension arm attached to said outer board, said extension arm having at least one insertion hole.

13. The circle drawing tool as claimed in claim 4, wherein the inner circular board is provided with a protruded portion serving as a magnifying means.

14. The circle drawing as claimed in claim 4, wherein said at least one insertion hole is provided with a widened recess for preventing ink from staining said material when drawing circles.